

Unit 2 Spent Fuel Pool Desalination Completed at Fukushima Daiichi Nuclear Power Station

< Reference >

July 2, 2012

Tokyo Electric Power Company

① Unit 2 Spent Fuel Pool Desalination Work Progress

	2011											2012								
	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	De c.	Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	
Unit 2	▼Earthquake (Mar. 11, 2011) ▼Seawater injection (Mar. 20, 22, 25, 2011) ▼Switched to freshwater (Mar. 29, 2011) ▼Started hydrazine injection (May 10, 2011) ▼Started circulation cooling for the spent fuel pool (May 31, 2011)											Decontamination of the spent fuel pool (Nov. 6-Dec. 5, 2011) Desalination with the reverse osmosis (RO) membrane system (Jan. 19 - Apr. 2, 2012) Desalination with the ion exchange system (Apr. 12 - Jul. 2, 2012)								



Spent fuel pool

Circulation cooling system



Desalination

Reverse Osmosis (RO) system



Desalination

Ion exchange system



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② Unit 2 Spent Fuel Pool Chloride Concentration Changes

Desalination was started on January 19, 2012. (As a preparation for the desalination, radiation dose reduction utilizing the Cs absorption tower was done from November 6, 2011 before desalination with the reverse osmosis membrane (RO) system was started on January 19, 2012. Desalination with the ion exchange system was started on April 12, 2012.) Since the chloride concentration has reduced down to 11ppm (the maximum limit specified by the technical specification : 100ppm), the desalination of Unit 2 spent fuel pool has been completed on July 2, 2012.

